

WHAT IS CLAIMED IS:

1. ~~A server apparatus capable of communicating with~~
at least one client and a printer via a network,
comprising:

5 image storage means for storing print data of a
print job to be executed by a print request from said
client;

order management means for managing a print order
of the print job to be executed by the print request
10 from said client; and

control means for transmitting print data of the
print job in the print order from said image storage
means to said printer if the print data is not
transmitted from said client to said printer.

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2. The server apparatus according to claim 1, further
comprising transmission means for, if the print data of
the print job to be executed by the print request from
said client cannot be stored into said image storage
20 means, causing said order management means to manage the
print order of the print job without storing the print
data of the print job into said image storage means, and
transmitting a transmission permission to said client,
in its turn to perform printing, to transmit the print
25 data to said printer.

3. ~~The server apparatus according to claim 1, further comprising history storage means for, at each print output by said printer, storing information indicative of a client requested the print output and a device~~
5 transmitted print data to said printer.

4. A print managing method for a server apparatus capable of communicating with at least one client and a printer via a network, comprising:

an image storage step of storing print data of a print job, to be executed by a print request from said client, into image storage means;

an order management step of managing a print order of the print job to be executed by the print request
15 from said client; and

a control step of transmitting print data of the print job in the print order from said image storage means to said printer if the print data is not transmitted from said client to said printer.

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5. The print managing method according to claim 1, further comprising a transmission step of, if the print data of the print job to be executed by the print request from said client cannot be stored into said
25 image storage means, managing the print order of the print job at said order management step without storing

the print data of the print job into said image storage means, and transmitting a transmission permission to said client, in its turn to perform printing, to transmit the print data to said printer.

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6. The server apparatus according to claim 1, further comprising history storage means for, at each print output by said printer, storing information indicative of a client requested the print output and a device transmitted print data to said printer.

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7. A storage medium storing a program for realizing a print managing method for a server apparatus capable of communicating with at least one client and a printer via a network, said program realizing:

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image storage process for storing print data of a print job, to be executed by a print request from said client, into image storage means;

order management process for managing a print order of the print job to be executed by the print request from said client; and

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control process for transmitting print data of the print job in the print order from said image storage means to said printer if the print data is not transmitted from said client to said printer.

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~~8. An information processing apparatus as a client~~
capable of communicating with a server apparatus which
manages a print order and a printer via a network,
comprising:

5 image storage means for storing print data of a
print job to be executed by a print request;

selection means for causing a user to select a
spool function of said image storage means or that of
said server apparatus for storing print data of a print
10 job to be executed by a print request to said server
apparatus; and

control means for, if it is determined by using
said selection means to use the spool function of said
server apparatus, transmitting said print data to said
15 server apparatus, while if it is determined by using
said selection means to use the spool function of said
image storage means, controlling said image storage
means to store said print data.

20 9. The information processing apparatus according to
claim 8, further comprising notification means for
notifying said server apparatus of said selected spool
function.

25 10. The information processing apparatus according to
claim 8, wherein said selection means causes the user to

~~make a selection by displaying a user interface screen~~
image.

11. A print managing method for an information
5 processing apparatus as a client capable of
communicating with a server apparatus which manages a
print order and a printer via a network, comprising:
an image storage step of storing print data of a
print job, to be executed by a print request, into image
10 storage means;
a selection step of causing a user to select a
spool function of said image storage means or that of
said server apparatus for storing print data of a print
job to be executed by a print request to said server
15 apparatus; and
a control step of, if it is determined at said
selection step that the spool function of said server
apparatus is to be used, transmitting said print data to
said server apparatus, while if it is determined at said
20 selection step that the spool function of said image
storage means is to be used, controlling said image
storage means to store said print data.
12. The print managing method according to claim 11,
25 further comprising a notification step of notifying said
server apparatus of said selected spool function.

~~13. The print managing method according to claim 11, wherein at said selection step, a user interface screen image is displayed to cause the user to make a selection.~~

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14. A storage medium storing a program for realizing a print managing method for an information processing apparatus as a client capable of communicating with a server apparatus which manages a print order and a printer via a network, said program realizing:

image storage process for storing print data of a print job, to be executed by a print request, into image storage means;

selection process for causing a user to select a spool function of said image storage means or that of said server apparatus for storing print data of a print job to be executed by a print request to said server apparatus; and

control process for, if it is determined at said selection process that the spool function of said server apparatus is to be used, transmitting said print data to said server apparatus, while if it is determined at said selection process that the spool function of said image storage means is to be used, controlling said image storage means to store said print data.

15. An information processing apparatus as a client capable of communicating a server apparatus which manages a print order and a printer via a network, comprising:

5 image storage means for storing print data of a print job to be executed by a print request;

determination means for determining one of a spool function of said image storage means and that of said server apparatus for storing print data of a print job
10 to be executed by a print request to said server apparatus; and

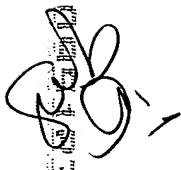
control means for, if said determination means determines to use the spool function of said server apparatus, transmitting said print data to said server
15 apparatus, while said determination means determines to use the spool function of said image storage means, controlling said image storage means to store said print data.

20 16. The information processing apparatus according to claim 15, further comprising notification means for notifying said server apparatus of said selected spool function.

25 17. The information processing apparatus according to claim 15, wherein said determination means makes a

~~determination by determining whether or not a remaining capacity of said image storage means is equal to or less than a predetermined amount of capacity.~~

- 5 18. A print managing method for an information processing apparatus as a client capable of communicating a server apparatus which manages a print order and a printer via a network, comprising:

 10 an image storage step of storing print data of a print job, to be executed by a print request, into image storage means;

a determination step of determining one of a spool function of said image storage means and that of said server apparatus for storing print data of a print job
15 to be executed by a print request to said server apparatus; and

a control step of, if it is determined at said determination step that the spool function of said server apparatus is to be used, transmitting said print
20 data to said server apparatus, while if it is determined at said determination step that the spool function of said image storage means is to be used, controlling said image storage means to store said print data.

- 25 19. The print managing method according to claim 18, further comprising a notification step of notifying said

~~server apparatus of said selected spool function~~

20. The print managing method according to claim 18,
wherein at said determination step, a determination is
5 made by determining whether or not a remaining capacity
of said image storage means is equal to or less than a
predetermined amount of capacity.

21. A storage medium storing a program for realizing a
10 print managing method for an information processing
apparatus as a client capable of communicating with a
server apparatus which manages a print order and a
printer via a network, said program realizing:

image storage process for storing print data of a
15 print job, to be executed by a print request, into image
storage means;

determination process for determining one of a
spool function of said image storage means and that of
said server apparatus for storing print data of a print
20 job to be executed by a print request to said server
apparatus; and

control process for, if it is determined at said
determination process that the spool function of said
server apparatus is to be used, transmitting said print
25 data to said server apparatus, while if it is determined
at said determination process that the spool function of

~~said image storage means is to be used, controlling said~~
image storage means to store said print data.

22. An information processing apparatus as a client
5 capable of communicating with a server apparatus which
manages a print order and a printer via a network,
comprising:

image storage means for storing image data of a
print job to be executed by a print request;

list acquisition means for acquiring a list of
10 print jobs managed by said server apparatus;

job designation means for designating a print job
to be previewed based on the list of print jobs acquired
by said acquisition means;

15 image acquisition means for, if image data of the
print job designated by said designation means is stored
in said image storage means, reading the image data from
said image storage means, while if the image data is
stored in said server apparatus, downloading the image
20 data from said server apparatus; and

control means for displaying a preview image based
on the image data acquired by said image acquisition
means.

23. The information processing apparatus according to
25 claim 22, wherein said job designation means causes a

~~user to perform designation by displaying a user~~
interface screen image.

24. The information processing apparatus according to
5 claim 22, wherein said image data is an EMF file
comprising intermediate data.

25. The information processing apparatus according to
claim 24, wherein said control means displays the
10 preview image by controlling drawing means of an
Operating System to execute the acquired EMF file.

26. A print managing method for an information
processing apparatus as a client capable of
15 communicating with a server apparatus which manages a
print order and a printer via a network, comprising:
an image storage step of storing image data of a
print job, to be executed by a print request, into image
storage means;

20 a list acquisition step of acquiring a list of
print jobs managed by said server apparatus;
a job designation step of designating a print job
to be previewed based on the list of print jobs acquired
at said acquisition step;

25 an image acquisition step of, if image data of the
print job designated at said designation step is stored

in said image storage means, reading the image data from
said image storage means, while if the image data is
stored in said server apparatus, downloading the image
data from said server apparatus; and

5 a control step of displaying a preview image based
on the image data acquired at said image acquisition
step.

27. The print managing method according to claim 26,
10 wherein at said job designation step, a user interface
screen image is displayed to cause a user to perform
designation.

28. The print managing method according to claim 26,
15 wherein said image data is an EMF file comprising
intermediate data.

29. The print managing method according to claim 28,
wherein at said control step, the preview image is
20 displayed by controlling drawing means of an Operating
System to execute the acquired EMF file.

30. A storage medium storing a program for realizing a
print managing method for an information processing
25 apparatus as a client capable of communicating with a
server apparatus which manages a print order and a

~~printer via a network, said program realizing:~~

image storage process for storing image data of a print job, to be executed by a print request, into image storage means;

5 list acquisition process for acquiring a list of print jobs managed by said server apparatus;

job designation means for designating a print job to be previewed based on the list of print jobs acquired by said acquisition means;

10 image acquisition process for, if image data of the print job designated at said designation process is stored in said image storage means, reading the image data from said image storage means, while if the image data is stored in said server apparatus, downloading the
15 image data from said server apparatus; and

control process for displaying a preview image based on the image data acquired by said image acquisition means.